TISHMAN REALTY & CONSTRUCTION CO., INC.

OFFICE CORRESPONDENCE

TO Mr. Milt Gerstman DATE January 30, 1968

FROM Mr. Mary S. Altman

SUBJECT WTC - CURTAIN WALL MOCK-UP TEST IN TYPICAL WALL

In St. Louis on Thursday and Friday, January 25th and 26th, to observe testing at the Cupples plant.

They are still experiencing difficulties in the operation of the refrigeration equipment. Their contractor has stripped down and reassembled the equipment on two or three occasions, but it still is not functioning properly.

They have scheduled a meeting today, with the mechanical and electrical contractors involved in the installation to finally resolve the problem.

The thermal cycling test started on Thursday, January 25th, at about 4pm. Temperatures in the outside chamber reached approximately 160 degrees at about 8:30pm, while the inside temperature varied about 80 to 85 degrees.

On Thursday, before the heating cycle started I checked all plaster on columns through the three (3) levels. One (1) horizontal crack was noted at each of the first and second levels, and there were no cracks on the third. On Friday, after the heat cycle more horizontal cracks were noted, however there were still no cracks on the third level. On slapping the columns at the cracked areas, there was a definite hollow sound, while at other areas it seemed solid. It appears to me, that the vermiculite plaster is not adhering properly to the steel.

Jim Davis indicated he is having Di-Bono come out this week to do some additional work. They are going to remove the Cafco Fireproofing on the inside face of the spandrels and columns, and apply vermiculite plaster. It seems they are not getting good heat transmission through the Cafco material as they are through the vermiculite plaster.

There is a letter forthcoming from Cupples to Mal Levy with regard to the test procedures for the Cafco Fireproofing. The tests will start on or about January 30th. It will take approximately one (1) month to complete. These tests will be conducted by Associated Testing Laboratories, Route 46, Caldwell, New Jersey.

I requested the revised schedule for fabrication and erection of the various items of work. Jim Davis indicated it would be submitted this week.

It now appears that completion of tests will probably be the end of February, with final shop drawings submitted in mid March.

PLAINTIFF'S EXHIBIT
Px-482